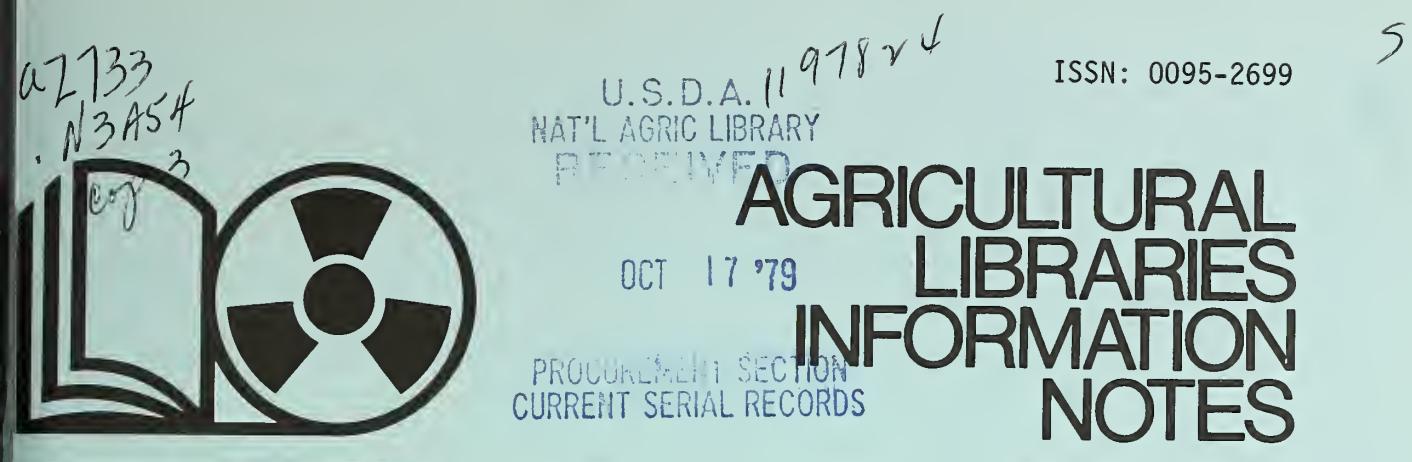


Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.



THE AQUATIC SCIENCES AND FISHERIES INFORMATION SYSTEM (ASFIS) --AN INTERNATIONAL EXCHANGE

by
Joseph F. Caponio

The increasing importance of marine and freshwater resources to the economic growth of nations has led to an ever-increasing flood of published information in the pertinent sciences. As the literature expands, so do the problems of the scientists, technologists, and administrators whose responsibility it is not only to keep abreast of developments in the field but also to sift through larger and larger quantities of published data in search of complete and reliable information on specific items of study.

By the early 1970's, many countries and institutions had come to realize that no single government or private institution has the personnel or funds to examine all aspects of the global marine and freshwater environments. Only an integrated system of information exchange, coordinated by an international body, can successfully carry out this enormous task.

It was in response to this need for international collaborative effort that the Food and Agriculture Organization (FAO) and the International Oceanographic Commission (IOC) began, in 1973, serious talks and official actions to create an international computer-oriented information system. The Aquatic Sciences and Fisheries Information System (ASFIS) became a reality in September 1975, when the First Session of the Joint FAO/IOC Panel of Experts on ASFIS was held to formulate policy and guidance for the development of ASFIS products and services.

Today, ASFIS centres in Canada, France, the Federal Republic of Germany, U.K., U.S., and U.S.S.R. cooperate with the two parent bodies by scanning, selecting, indexing, and abstracting literature originating in their respective countries or published in their languages. The literature they put into the system comes from 4,500 serial journal titles, reports, books, monographs, pamphlets, and information from seminars, workshops, and conferences all over the world.

The ASFIS coordinating centre in FAO is responsible for collecting, organizing, and processing bibliographic data and abstracts received from the centres, and for making the total data base available to the scientific community.

Dr. Caponio, formerly Associate Director, National Agricultural Library, is Director, Environmental Science Information Center, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, Washington, D.C.

(Continued on page 2)

(Continued from page 1)

Products and services currently being offered by ASFIS include:

(1) *Marine Science Contents Tables* - a monthly pamphlet that reproduces the tables of contents of the world's leading marine science journals and gives details of future marine science meetings. Over 3,000 copies of this pamphlet are circulated each month. (Free.)

(2) *Aquatic Sciences and Fisheries Abstract* - a monthly journal with an annual cumulative index. (\$250 total, annually.) Monthly issues contain about 1,200 abstracts arranged for direct and cross reference. Journal issues also contain book notices; notices of the availability of translations; and monthly geographic, taxonomic, and author indexes. The annual index is divided into three parts--subject, taxonomic, and geographic--and fully cross-referenced. The literature scanned in *ASFA* includes journals, reports, unpublished documents, books, monographs, and translations, from over 20 countries. An *ASFA* abstract appears in 20 weeks or less after original publication of an article.

(3) ASFA Related Tape Services - Since January 1, 1975, *ASFA* indexes have been generated from computer input prepared at the FAO Coordinating Centre. An experimental semiannual index for the first half of 1975 was produced in Germany for the FAO and is available in the United States through the efforts of the Environmental Data Service (EDS) of the National Oceanic and Atmospheric Administration. Users of the Dialog on-line information retrieval service operated by the Lockheed Corporation in Palo Alto, California, can access *ASFA* as "File 44." Others who wish searches of *ASFA* may arrange for them through any EDS center that services OASIS (Oceanic and Atmospheric Scientific Information System) requests.

Tapes of bibliographic and indexing data for the 1976 and 1977 *ASFA* input will be available late this year. Starting in January 1978, the entire *ASFA* data base (bibliographic captions, abstracts, and index entries) will be available in tape format.

(4) *ASFIS World List of Periodicals in Marine and Freshwater Science* - (Free.) The Fisheries Department of the FAO compiles a listing of bibliographic details of serial publications. A preliminary edition in 1976 listed 1,200 key titles, including for each one the abbreviated title as used in *ASFA*, text, and language of summaries. A new list of 600 titles will be added this year, and regular updates will be prepared.

(5) *ASFIS Register of Experts and Institutions*. - (Free.) Inquiries to individuals in 100 countries have culminated in a directory of 700 institutions and 12,000 experts in specific fields of aquatic science. The *Register* is to be published this year.

Products listed above as "Free" may be ordered from:

Research Information Unit
Fishery Resources and Environment Division, FAO
Via delle Terme di Caracalla
00100 Rome, Italy

Aquatic Sciences and Fisheries Abstracts plus associated index may be ordered from:

Information Retrieval, Inc.
1911 Jefferson Davis Highway
Arlington, Virginia 22202

Readers of *ALIN* wishing additional information about ASFIS products and services may call or write to the Environmental Science Information Center (D8), EDS, NOAA; 3300 Whitehaven St., N.W., Washington, D.C. 20235 (Tel: 443-8287).

Continuing development of ASFIS will be decided upon by the legislative bodies of the IOC and the FAO, following advice provided by the Joint Panel of Experts. Substantial financial support has been provided by the United Nations Environmental Programme so that the System can be expanded to cover larger disciplinary and geographical areas. The long range plan includes establishment of ASFIS centres and referral offices in most marine nations, so scientists everywhere will have a local point of contact for information and assistance.

THE CAIN DATA BASE: A STUDY OF ITS EFFECTIVENESS IN SERVING THE INFORMATION NEEDS OF FACULTY AND STUDENTS IN VARIOUS SUBJECT FIELDS IN THE AGRICULTURAL AND BIOLOGICAL SCIENCES*

Summary of a report of investigations supported by the USDA National Agricultural Library Grant No. 12-14-0605-15.

The D.H. Hill Library, under a grant of \$3,500 from the National Agricultural Library, provided on-line computer based searches of the CAIN data base free of charge to faculty and students of the School of Agriculture and Life Sciences at North Carolina State University. The purpose of these searches was to determine user satisfaction and the effectiveness of the CAIN data base for meeting the information needs of users in the disciplines of agricultural economics, food science, and animal sciences in particular, although searching was not limited to requests within these subject areas. Specifically, we attempted to determine user satisfaction with the recall, relevancy, and currency of citations, and to compare the results with those of manual searching. Further, we wanted to gain experience in searching the CAIN data base to determine if we should continue providing it on a fee basis when the project was completed.

The CAIN data base was searched using the computer facilities and "Dialog" searching techniques provided by Lockheed Information Systems and the "Tymshare" telecommunications network. Searches were conducted on a Texas Instruments Silent 735 terminal and results printed off-line and mailed to us. The service was promoted through the *D.H. Hill Library Newsletter*, mailing of information to faculty, personal contact, and talks at department faculty meetings. Ms. L. Moreé, a reference librarian who conducted the project, was trained in the use of the "Dialog" searching system and the CAIN data base at the National Agricultural Library.

Ms. Moreé assisted users in defining their search problem, selecting key terms and developing the appropriate search strategy. Searching at the terminal was conducted by Ms. Moreé with the user present. Information and data on the user, the

search problem, the system performance and evaluation of the search results were collected and analyzed.

One hundred and fifty-five searches were carried out for 127 users during the period October 3 through June 30, 1975. The average cost per search was \$18.57 for computer time, telecommunications charges, and printout. The results of 149 of these searches were analyzed. Overall satisfaction of users with the search results was very high. On a scale of 1 (unsatisfactory) to 10 (highly satisfactory) user satisfaction averaged 8.15. Relevancy of search results was rated moderately or highly relevant for 65% of the searches. In 72% of the searches recall was judged by users to be equal to or greater than that which they had expected. The time period covered by the data was judged insufficient by users in 87% of the searches. Users were satisfied with the currency of postings in 92% of the searches. Eighty per cent of the users said they would use the CAIN data base and searching service again even if a fee was charged and 91% said they would use it if it were free.

"Dialog" proved to be a satisfactory system of searching the CAIN data base. Inadequate computer capacity at Lockheed caused some problems during the early part of the project but these were corrected. Improvements in training and "Dialog" manuals are recommended. The CAIN data base category codes were found not to be specific enough for satisfactory searching; particularly before 1972. The development of a thesaurus or posting list is recommended to help select proper key terms for searching.

*Prepared by William C. Lowe, Principal Investigator,
The D.H. Hill Library, North Carolina State University,
Raleigh, North Carolina, January 28, 1977.*

(Continued from page 10)

NAL--BIBL--77-13. *Biosystematics--Worldwide.*
187 citations from AGRICOLA, no
exclusions, 1968-1976. Search by
Charles N. Bebee.

NAL--BIBL--77-14. *Planting and Sowing Dates.*
150 citations from CAIN, English only,
1973-1976. Search by Henry Gilbert.

NATURAL HAZARDS RESEARCH AND APPLICATIONS INFORMATION CENTER*

INSTITUTE OF BEHAVIORAL SCIENCE

University of Colorado

Boulder, Colorado 80309

Because current hazards research has not served as fully as it might in mitigation of human suffering, economic loss and social disruptions resulting from earthquakes, floods, hurricanes and other natural hazards, the Natural Hazards Research and Applications Information Center has been funded by the National Science Foundation--Research Applied to National Needs Directorate. The purpose of the Center is to strengthen communications between research workers and the individuals, organizations and agencies concerned with public action relating to natural hazards.

To accomplish this, the Center's main activities include an annual invitational workshop and a quarterly newsletter, the *Natural Hazards Observer*. The workshops are aimed at: (1) bringing together selected users and producers of important research relating to natural hazards; (2) identifying new or emerging needs for research; and (3) encouraging new research starts. Participants include representatives of major Federal, State and local governments, private industry and research institutions.

The *Natural Hazards Observer* includes: reports on applications of research at the Federal, State and local level, and by private agencies; descriptions of new research and reports of findings from completed projects; discussion of relevant legislative controversies; and announcements of recent publications. The newsletter is distributed free of charge to a wide range of people concerned with natural hazards problems including major Federal and State agencies, directors of planning and public works at the municipal level, academic institutions, consulting engineers and planners, groups within the insurance industry, editors of professional newsletters and libraries.

To further develop communication among producers and users of research, the Center is prepared to aid interested organizations in the following ways:

(1) publicize programs, conferences, current research efforts and publications related to natural hazards through the newsletter.

(2) prepare materials on natural hazards subjects for publications or make suggestions for authors of specific articles on those topics.

(3) provide information on natural hazards literature, computerized literature searches, government agencies and private organizations dealing with natural hazards, or personnel working in this field.

(4) aid in the development of workshops, symposia, and meetings concerning natural hazards issues.

Currently, a selected partially annotated bibliography of recent hazards publications is available. (\$2 postpaid from the Center.)

*Prepared by Anne U. White, editor, *National Hazards Observer*.



Virginia's Land Grant University is accepting applications for an Assistant Science and Technology Librarian, one of five subject-oriented positions in the Science and Technology Division. Beginning date is 15 August 1977. Minimum requirements include accredited MLS and background in biological/agricultural sciences. Advanced subject study and/or experience preferred. Duties include collection development and reference; liaison with faculty library representatives; library seminars and tours; literature searching; and ILL verification.

Send applications and resumes to Associate Director, Carol M. Newman Library, Virginia Polytechnic Institute and State University, Blacksburg, Virginia, 24061, prior to 15 May 1977 deadline.

We are an equal opportunity/affirmative action employer.

NEWS FROM THE FIELD



Reporting activities in the central region - John Beecher

Roberta Boone reports from the Ohio State University Agriculture Library that the Mechanized Information Center (MIC), a department of the libraries at OSU, is currently offering computerized bibliographic subject searches to the University community for a small fee (\$2 per retrospective search and varying amounts for current awareness searches, depending on the data base or bases involved). All present searches are done off-line in the batch mode, taking approximately a week to complete. MIC is considering adding on-line capability through SDC or Lockheed, allowing access to AGRICOLA, PREDICAST, and many other data bases. If the on-line access is added (and it appears very likely at this point) user cost will probably be the on-line time charges. Such on-line service may be available as early as July 1 of this year. Also, The Ohio State University Libraries are expanding their computerized Library Circulation System to include subject searching capabilities, expected to be operational by Fall, 1978. OSU is in the process of adding their Centralized Serial Holdings Records to the computer data base; thus far, holdings records for serials A through O are available on the computer, and the entire holdings should be accessible by July 1, 1977. The serials department is utilizing OCLC for on-line checking in of serials; the cataloging department, of course, uses OCLC for shared cataloging. Also, patron-use terminals are being installed around the OSU campus, including in the Agriculture Library.

News from Robert Sickles, Biological Sciences and Agricultural Bibliographer at Iowa State University Library, is that ISU's Film Production Unit has recently completed a 28-minute color and sound film for the World Food Institute, sponsor of the World Food Conference of 1976. The film, entitled *Thought for Food*, documents the four-day meeting held at Iowa State University that focused on production, processing, distribution and utilization of food, adequate nutrition, and related

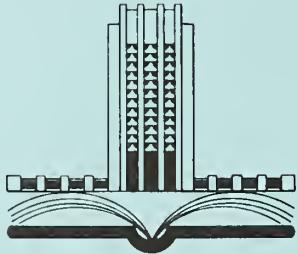
world problems. Persons interested in further information concerning the film should contact Dave Lendl, Chairman, Public Information Committee, World Food Conference of 1976, 116 Morrill Hall, Iowa State University, Ames, Iowa, 50011, telephone (515) 294-6136. Sickles also adds that the Cooperative Extension Services of 12 north central regional land-grant universities, through an Extension Service/United States Department of Agriculture grant, are sponsoring a three year project designed to coordinate the production of educational materials in the region. The primary focus is to coordinate regional production of high priority materials, thus reducing duplication and saving staff development time and printing costs. The project is expected to result in an increase of multi-state and regional educational materials in addition to increased sharing of existing materials. Headquartered at Iowa State University, the North Central Regional Coordination Project has been operational since September 1976, and includes the states of Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin. Additional information is available from Cliff Scherer, Project Coordinator, Extension Educational Materials Project, 111N Curtiss Hall, Iowa State University, Ames, Iowa, 50011.



(Continued from page 9)

Research Methods in Weed Science, Second Edition, 1977. Bryan Truelove, Editor. \$7. Developed primarily by the now-defunct S-78 Regional Research Committee, the publication is a complete update from the 1971 edition. Copies may be ordered from: The Editor, Southern Weed Science Society, c/o Department of Botany and Microbiology, Auburn University, Auburn, Alabama 36830. Free.

West Africa Conference: Natural Resources Development in the Arid/Semiarid Countries of West Africa. Proceedings of conference held April 1976, sponsored by the Council for Scientific and Industrial Research, Accra, Ghana, and the University of Arizona. 314 p. Copies from: Office of Arid Lands Studies, University of Arizona, Tucson, AZ 85721. \$10.



AGRI-TOPICS

NATIONAL AGRICULTURAL LIBRARY

REFERENCE DIVISION

BELTSVILLE MARYLAND 20705

AMERICAN GRAPE GROWING AND WINE MAKING

GRAPE GROWING

- USDA Farmers Bulletin 2123: *Growing American Bunch Grapes*. 22 pp. December 1974. (Free)
- USDA Farmers Bulletin 1893: *Control of Grape Diseases and Insects in the Eastern United States*. 35 pp. March 1972. (Free, USDA Publications, Room 507-A, 14th and Independence Avenue, S.W., Washington, D.C.)
- Cornell Extension Bulletin 805: *Cultural Practices for New York Vineyards*. 47 pp. (No free distribution; \$.50 from Publication Office, N.Y. Agricultural Experiment Station, Ithaca, N.Y. 14850.)
- Publ. 5: *Grape Growing in Virginia*. 1976. (Request from Virginia Agricultural Extension Service, VPI, Blacksburg, Va. 24061.)
- Cornell Extension Bulletin 821: *Growing Cold-tender Grape Varieties in New York*. August 1968. (No charge, same source as Bulletin 805.)
- Banta, E. S., G. A. Cahoon, and R. G. Hill. *Grape Growing*. 24 pp. 1969. Bulletin 509, Cooperative Extension Service, Ohio State University, Columbus, Ohio 43210 (No charge)
- Funt, R. C. 1976. *Viticulture in Maryland*. HE 116-76, 16 pp. (Request from Maryland Cooperative Extension Service, University of Maryland, College Park, Md. 20742)
- Wagner, P. M. 1969. *A Wine-Grower's Guide*. Knopf, N.Y. 224 pp. \$6.95.
- Weaver, R. J. 1976. *Grape Growing*. J. Wiley and Sons, New York City. \$16.50.
- Winkler, A. J. 1974. *General Viticulture*. 2nd edition. University of California Press, Berkeley. 710 pp. \$27.50.

WINE MAKING

- Amerine, M. A., H. W. Berg, and W. V. Cruess. 1972. *The Technology of Winemaking*. 3rd edition. Avi Press. 802 pp. \$29.
- Amerine, M. A., and M. A. Joslyn. 1970. *Table Wines*. University of California Press, Berkeley. 997 pp. \$25.
- Carrol, D. E. 1972. *Making Muscadine Table Wine*. 24 pp. Department of Food Science, North Carolina State University, Raleigh, N.C. (No charge)
- Eakin, Jr., J. H., and D. L. Ace. 1970. *Winemaking as a Hobby*. Special Publication of Pennsylvania State University. (Pennsylvania State University, Box 6000, University Park, Pa. 16802. \$2.50)
- Fessler, J. H. 1972. *Guidelines to Practical Winemaking*. 3rd edition. 120 pp. (Rockridge Laboratories, P.O. Box 2842, Rockridge Station, Oakland, Ca. 94618) \$4.50.
- Gallander, J. F. and A. C. Peng. 1972. *Wine Making for the Amateur*. Ohio Extension Bulletin 549. 16 pp. (No charge, Cooperative Extension Service, Ohio State University, Columbus, Ohio 43210)
- Konnerth, W. M. *Beginner's Book of Wine Making*. (From PIWC, 9440 Buffalo Road, North East, Pa. 16428) 38 pp. \$1.25.
- Robinson, W. B. 1972. *Homemade Wine*. Cornell Extension Bulletin 1119. 11 pp. (No free distribution; \$.25, available from Agricultural Experiment Station, Ithaca, N.Y. 14850.)
- Taylor, W. S., and R. P. Vine. 1970. *Home Winemaker's Handbook*. Award Paperback A684N. 253 pp. \$.95.
- Wagner, P. M. 1976. *Grapes Into Wine*. Knopf, N.Y. 302 pp. \$12.50 cloth. \$6.95 paperbound.

PERIODICALS AND ORGANIZATIONS

Wines and Vines. 703 Market Street, San Francisco, Ca. 94103. \$12. a year.

Pennsylvania Grape Letter. 620 N. Pine Street, Lancaster, Pa. 17603. \$5. a year.

The Vinifera Wine Growers Journal. Vinifera Wine Growers Association, Box 172, The Plains, Va. 22171. \$10. a year.

American Wine Society, 4218 Rosewold, Royal Oak, Mich. 48073. (Includes Special Bulletin, and Quarterly Journal). \$12.50 a year. Regional chapters active in several areas.

American Society of Enologists, P.O. Box 411, Davis, Ca. 95616. Membership includes *American Journal of Enology & Viticulture* (Quarterly, \$15. a year).

Eastern Grape Grower Magazine. Box 329, Watkins Glen, N.Y. 14891. (\$7. for 6 issues).

AMATEUR WINEMAKERS' SUPPLIES

Arbolyne Winemaking Supplies, P.O. Box 663, West Columbia, S.C. 29169.

Blythe Vineyards, Box 389, La Plata, Md. 20646.

Presque Isle Wine Cellars, 9440 Buffalo Road, North East, Pa. 16428.

Compleat Winemaker, P.O. Box 2470, Yountville, Ca. 94599.

The Winemakers Shop, Bully Hill, Hammondsport, N.Y. 14840. Catalog \$.50.

Old Dominion Winemaker, 10376 Main Street, Fairfax, Va. 22030.

NURSERIES SELLING FRENCH HYBRID GRAPEVINES

Bully Hill Farms Nursery, R.D. 2, Hammondsport, N.Y. 14840.

Boordy Vineyard, Box 38, Riderwood, Md. 21139.

Bountiful Ridge Nurseries, Princess Anne, Md. 21853.

Foster Nursery Co., Fredonia, N.Y. 14063.

Luke & Obourn, R.D. 1, Harborcreek, Pa. 16421.

New York State Fruit Testing Cooperative Association, Geneva, N.Y. 14456.

NURSERIES SELLING VINIFERA GRAPEVINES (Grafted vines may need to be ordered 2 years before delivery)

Auburn Vineyards, 949 Riverview Drive, Auburn, Ca. 95603.

Foundation Plant Materials Service, Department of Viticulture & Enology, University of California, Davis, Ca. 95616. (Cuttings of many varieties)

G. MacLean Nursery, Inc., 1320 Elmburst Avenue, St. Helena, Ca. 94574

Luke & Obourn, R.D. 1, Harborcreek, Pa. 16421.

New York State Fruit Testing Cooperative Association, Geneva, N.Y. 14456.

BIRD CONTROL NETTING

Animal Repellents, Inc., P.O. Box 168, 1016 Everee Inn Road, Griffin, Ga. 30223. (Nylon net, sizes 9 ft. x 45 ft. to 30 ft. x 30 ft.).

J. A. Cissel Co., Inc., P.O. Box 339, Farmingdale, N.J. 07727. (Toron polypropylene netting fabric, 7/8 inch mesh, sizes up to 75 ft. x 300 ft.)

Conwed Corp., 760 29th Avenue, S.E., Minneapolis, Minn. 54414. Rolls 14 ft. or 17 ft. wide and 5000 ft. long. Hibbards, Hadley, Mass. 01035. Used tobacco netting.

Rugby Fabrics Corp., 49 West 37th Street, New York, N.Y. 10018. (Durex, nylon mesh, industrial rolls, up to 18 ft. wide.)

Vexar DuPont Garden Netting. Sold Through nurseries and garden stores.

Prepared by: John R. McGrew

Fruit Laboratory, Agricultural Research Service
USDA, Beltsville, Maryland 20705

301-344-3572

February 1977

It is impractical to provide a complete list of books, organizations and supplies. This partial list is provided for your information with no discrimination implied against those omitted or guarantees of those included.

NEWS NOTES



The Commonwealth Agricultural Bureaux (CAB), a renowned cooperative venture established by the British Commonwealth in 1929, has chosen to distribute its 15 new abstract journals on agriculture through UNIPUB in the U.S. and Canada. A unique organization, CAB provides comprehensive coverage of the agricultural sciences through its publishing program.

The journals cover specialized fields relating to agriculture such as agricultural engineering; cotton and tropical fibers; crop physiology; irrigation and drainage; maize quality protein; ornamental horticulture; plant growth regulators; potatoes; poultry; protozoology; rural recreation and tourism; small animals; sorghum and millets; triticale; and tropical oilseeds. A separate journal is devoted to each subject, with information drawn from over 7,000 publications and 100,000 citations per year.

UNIPUB is pleased to announce a limited time introductory offer; a complete one year 1977 subscription to any of the journals is available at half the regular price. Complete information on contents and prices is available from UNIPUB, Box 433, Murray Hill Station, New York, NY 10016.

* * * * *

Barbara Sanders, Librarian, in collaboration with the Reference Staff of the United States Information Agency Library, has developed an annotated list of recent, readily available monographs and journal titles which will be acquired and displayed at a joint Russian-United States book exhibit in Moscow next year. The theme of the exhibit is "Food - From the Field to the Table". The list itself is considered a "working tool" for this project but a copy is available for examination by writing Mr. Harry Kemp, Reference Division, National Agricultural Library, Beltsville, MD 20705.

* * * * *

There seems to be a compromise developing in the argument between the Postal Service and the National Academy of Sciences over whether the latter's journal would have to label each page of the journal "advertisement" because the journal charges a page charge to the author to help defray printing costs. Postal regulations require that label on reading matter that is mailed second class and for which the publisher is paid.

The compromise: the journal will identify each article that has been subsidized by its author; in turn, the Postal Service won't use the page charges as grounds for raising postal rates for mailing the "Proceedings of the National Academy of Sciences."

NAS will print on one page only of each article a statement that the cost of printing the article was defrayed in part by page charges, and that "this article must therefore be hereby marked 'advertisement' solely to indicate this fact." It won't have to label every page.

The basic labeling requirement is actually a part of the federal criminal code. Only Congress can amend that. Thus the Postal Service hasn't the power to change the regulation, they say. NAS probably will seek legislation to exempt journals entirely from the labeling rule, or at least to change the label so it won't call the articles "advertising."

These developments potentially affect many scientific journals. NAS expects many other major journals to follow suit and use this compromise labeling until legislation can be passed. The major problem unsolved at this time is with journals that define their page charges as purely voluntary and so consider themselves exempt from the labeling rule. Postal authorities don't agree with the way some of these journals define "voluntary," and so may be pressing them to print the label.

Reprinted from Cooperative State Research Experiment Station Letter 1395, March 11, 1977.



NEW PUBLICATIONS OF NOTE



A Chronology of American Agriculture.

[Washington, D.C.] Economic Research Service, U.S. Dept. of Agriculture, 1977. Chart. Free. Available from: Economic Research Service, USDA, Room 1670 South Agriculture Building, Washington, D.C. 20250.

A Conference on Agriculture. Report of a meeting of members of the Plant Studies Delegation and the Water Resources Delegation, February 20-21, 1975, at the National Academy of Sciences; sponsored by the Committee on Scholarly Communication with the People's Republic of China; American Council of Learned Societies, Social Science Research Council, and Commission on International Relations, National Research Council, National Academy of Sciences. Dwight H. Perkins. *China Quarterly*, September 1976.

Desertification: A World Bibliography. 1976. Compiled and edited by Patricia Paylore. (prepared for the 23rd International Geographical Congress, Moscow, 1976.) Office of Arid Lands Studies, University of Arizona, Tucson. 644 p. 1,756 citations. Available from: Office of Arid Lands Studies, University of Arizona, Tucson, AZ 85721. \$20 and \$1 postage; \$25 for foreign orders shipped air parcel post.

Geothermal Techoccosystems and Water Cycles in Arid Lands, by Christopher Duffield. 1977. 202 p. Includes 300 citations and abstracts. Copies from: Office of Arid Lands Studies, University of Arizona, Tucson, AZ 85721. \$10.

Impacts of Federal Funding Requirements on Marketing Research at State Agricultural Experiment Stations. Emerson M. Babb, Department of Agricultural Economics, Purdue University, January 1977. A CSRS-SAES study, available from: Cooperative State Research Service, USDA, 444-A Administration Building, Washington, D.C. 20250. Free.

Making Aquatic Weeds Useful: Some Perspectives for Developing Countries. Ad Hoc Panel on Utilization of Aquatic Weeds, of the Advisory Committee on Technology Innovation; Board on Science and Technology for International Development; Commission on International Relations, National Research Council, Board on Science and Technology for International Development, 1976; 183 p.; available from the board, 2101 Constitution Ave., N.W., Washington, D.C. 20418. Free.

Manual on Genetic Conservation of Rice Germ Plasm for Evaluation and Utilization. Te-Tzu Chang. The International Rice Research Institute, P.O. Box 933, Manila, Philippines. 1976. Free.

Marketing Research at the State Agricultural Experiment Stations: Problems and Possible Solutions. E.M. Babb. Station Bulletin 150, January 1977, Agricultural Experiment Station, Purdue University, West Lafayette, Indiana, 47907. Free.

Oral Contraceptives and Nutrition. Committee on Nutrition of the Mother and Preschool Child; Food and Nutrition Board, Division of Biological Sciences; Assembly of Life Sciences, National Research Council, Food and Nutrition Board, 1975; 5 p.; available from the board, 2101 Constitution Ave., N.W., Washington, D.C. 20418. Free.

Perspectives de la Recherche Agronomique en Afrique. Comite sur les Possibilites de la Recherche Agronomique en Afrique; Board on Agriculture and Renewable Resources, of the Commission on Natural Resources, and Board on Science and Technology for International Development, of the Commission on International Relations; National Research Council. National Academy of Sciences, 1976. 252 p. available from: The Board on Science and Technology for International Development, 2101 Constitution Ave., N.W., Washington, D.C. 20418. Free; supply limited.

Reclamation and Use of Disturbed Land in the Southwest. John L. Thamnes, ed. 1977. The University of Arizona Press, Tucson. 362 p. Available from: University of Arizona Press, Tucson, AZ, 85721. \$8.50 paperback, \$14.50 clothbound.

(Continued on page 5, col. 2)



Clearance has been given the Northeastern Forest Experiment Station to compile the following bibliography. A publication date has not been announced.

Publications of the Northeastern Forest Experiment Station. 1966-1975.

QUICK BIBLIOGRAPHY SERIES

The bibliographies in this series are primarily computerized online or batch bibliographies emanating from searches performed by the NAL Reference staff in response to customer requests.

Searches are selected for inclusion in this series for the currency of topic, depth of interest among NAL clientele, relative length (approximately 150 citations or more) and probable value to a larger audience. All titles in this series will be listed monthly for a six month period after which they will be withdrawn. Any revisions or updates will be renumbered and reannounced. Only one copy will be sent of a title; however, requestors may make photocopies. To request a copy of a "quick bibliography" send the title, series number, and a return addressed label to:

Reference Division
National Agricultural Library
Beltsville, MD 20705

NAL -- BIBL. -- 77-01. *Christmas Tree Production.* 212 citations from AGRICOLA, English only, Fall, 1968 to August 1976. Search by Jerome Rafats.

NAL -- BIBL. -- 77-02. *Availability of Metals in Soils.* 200 citations from AGRICOLA, no exclusions. Search by Charles N. Bebee.

NAL -- BIBL. -- 77-03. *Atrazine.* 212 citations from AGRICOLA, English only. Search by Jerome Rafats.

NAL -- BIBL. -- 77-04. *Concentrations of Metals in Soils.* 189 citations from AGRICOLA, no exclusions. Search by Charles N. Bebee.

NAL -- BIBL. -- 77-05. *Aquatic Weed Control.* 200 citations from AGRICOLA, English only, 1972 to July 1976. Search by Charles N. Bebee.

NAL -- BIBL. -- 77-06. *Wind and Water Mills.* 69 citations from AGRICOLA, no exclusions, 1969-1976. Search by Charles N. Bebee.

NAL -- BIBL. -- 77-07. *Biosystematics—U.S. Publications.* 84 citations from AGRICOLA, English only, 1971-1976. Search by Charles N. Bebee.

NAL -- BIBL. -- 77-08. *Adjuvants and Surfactants on Plants.* 125 citations from AGRICOLA, no exclusions, 1971 to August 1976. Search by Charles N. Bebee.

NAL -- BIBL. -- 77-09. *Agricultural and Farm Cooperatives and Organizations.* 115 citations from AGRICOLA, no exclusions, 1969 to September 1976. Search by Henry Gilbert.

NAL -- BIBL. -- 77-10. *Plant Indicators in Ecology.* 79 citations from AGRICOLA, no exclusions, June 1969 to September 1976. Search by Ruth Pyne.

NAL -- BIBL. -- 77-11. *Agriculture Labor.* 32 citations from CAIN, English only. 1969-1975. Search by Charles N. Bebee.

NAL -- BIBL. -- 77-12. *Agriculture and Government Policy.* 149 citations from CAIN, no exclusions, 1962-1976. Search by Charles N. Bebee.

(Continued on page 3, col. 2)



by
Wallace C. Olsen*

Several inquiries have come within the past six months about the expansion of the AGRICOLA file to allow merger of bibliographic data from other sources, or the creation of additional subfiles such as the AG ECON which presently exists. We recognize the need to expand the AGRICOLA family of files by these methods, but have been severely restrained by economics and some technical questions. Limited expansion may now be possible.

Negotiations are presently underway to provide as a subfile of AGRICOLA, a selected, retrospective data base of the agricultural sciences citations in *Dissertation Abstracts*. By this method, upwards of 50,000 dissertations important to agriculture would be preselected on a profile basis and made available as a routine searching operation of AGRICOLA. As with the present subfiles, one could exclude this file from a search if so desired. Discussions are underway with personnel at two land-grant institutions who have computerized bibliographic files each of four to six thousand entries concerned with arid lands. An optimum circumstance would be to merge these closely related and overlapping files, weed the duplicate citations, and make the file available for anyone who subscribes to AGRICOLA. Agriculture Canada has proposed to incorporate select citations on Canadian agricultural or farm cooperatives into the AG ECON file, and this appears headed for success. There are technical and professional questions involved in working towards augmentation of the AGRICOLA data base by these methods. Questions such as document or holding locations and the numbers of institutional call numbers to include are not insurmountable. We are working actively on such questions, as well as trying to stretch our funds to accomplish these tasks. NAL feels that getting these agricultural sciences citations into one data file for searching will be advantageous to AGRICOLA users. We would like to have opinions on this from

those of you who use the file regularly.

The introduction of the Commonwealth Agricultural Bureaux's extensive and valuable files online this year has provided another immense bibliographic resource to us. We are assessing the relationships of AGRICOLA and the CAB files as far as coverage, speed of input, and value to different communities or types of users. We may wish in the future to realign the AGRICOLA coverage or input so that the files are more complementary. To this end, we would like to hear from any users of the two files about detailed comparisons or studies they have made or are planning to do. Any systematic work which will help make decisions on realignment of priorities and investment of limited funds will be welcome.

* Mr. Olsen is Deputy Director, Library Services, NAL.

CALL FOR PAPERS

The Associates NAL, Inc. and the National Agricultural Library are sponsoring a symposium on November 4, 1977, titled "International Agricultural Librarianship: Continuity and Change." The Symposium honors Foster E. Mohrhardt, Director of the Library 1954-1968. Papers presented at the Symposium, as well as other contributed papers, will be published in the quarterly journal *Associates NAL Today*. Contributors should submit papers to Dr. Alan Fusonie, Library Services, National Agricultural Library, Beltsville, Maryland, 20705. Deadline for submission is October 1, 1977.

(Continued from page 12)

July 11-17: 6TH ASIAN PACIFIC WEED SCIENCE SOCIETY CONFERENCE, Jakarta/Indonesia.

July 17-20: AQUATIC PLANT MANAGEMENT SOCIETY ANNUAL MEETING, Holiday Inn (downtown), Minneapolis, MN/USA.

AGRICULTURE DATEBOOK



June: AMERICAN MEAT SCIENCE ASSOCIATION. Auburn, Alabama. Contact: H. K. Johnson, 36 S Wabash Avenue, Chicago, Illinois 60603.

June: AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS. Raleigh, North Carolina. J. L. Butt, P.O. Box 410, St. Joseph, Michigan 49085.

June: NATIONAL ASSOCIATION OF COLLEGES & TEACHERS OF AGRICULTURE. University Park, Pennsylvania. Contact: Dr. Murray Brown, P.O. Box 2088 SHSU, Huntsville, Texas 77390.

June 1-3: FOREST FARMERS ASSOCIATION (AREA SOUTH). Royal Orleans Hotel. New Orleans, Louisiana. Contact J. W. Myers, 4 Executive Park E. Atlanta, Georgia 30329.

June 5-8: SPECIAL LIBRARIES ASSOCIATION. 68TH ANNUAL CONFERENCE. New York, N.Y.

June 12-17: 22ND SEMINAR ON THE ACQUISITION OF LATIN AMERICAN LIBRARY MATERIALS (SALALM). University of Florida, Gainesville. Contact: Lon Wetherbee, University of Texas at Austin, Benson Latin American Collection, Sid Richardson Hall 1-108, Austin, Texas 78712.

June 16-23: ALA ANNUAL CONFERENCE. Detroit, Michigan.

June 21-23: 4TH SYMPOSIUM ON MACHINE PROCESSING OF REMOTELY SENSED DATA. Sponsored by Purdue University with the cooperation of the American Society of Photogrammetry. Contact: John C. Lindenlaub, LARS: Purdue University, 1220 Potter Drive, W. Lafayetts, Indiana 47906.

June 27-29: INTL. WATER RESOURCES (SYMPOSIUM IN HYDROLOGY). Fort Collins, Colorado. Contact: N. S. Grigg, Engineering Research Center, Foothills Campus, Colorado University, Fort Collins, Colorado 80521.

June 27-July 1: AMERICAN HOME ECONOMICS ASSOCIATION. Boston, Massachusetts. Contact: Maxine Westby, 2010 Massachusetts Avenue, N.W., Washington, D.C. 20036.

June 29-July 2: THE SECOND INTERNATIONAL CONFERENCE ON TRANSFER OF WATER RESOURCES KNOWLEDGE. Colorado State University. Primary topics will be providing mechanisms for transfer of results, knowledge transfer to improve conditions for the rural poor, and a look at water resources scientific information systems. Workshops will make recommendations on each of the primary topics. Contact: Neil S. Grigg, Conference Director, Engineering Research Center, Colorado State University, Fort Collins, Colorado, 80523.

July 3-7: FOREST PRODUCTS RESEARCH SOCIETY. Brown Palace & Cosmopolitan Hotel, Denver, Colorado. Contact: K. E. Huddleston, 2801 Marshall Court, Madison, Wisconsin 53705.

July 10-22: GRADUATE INSTITUTE OF COOPERATIVE LEADERSHIP. University of Missouri-Columbia. Sponsored by a Board of Trustees representing some of the nation's leading cooperatives and related organizations. Designed primarily for cooperative employees with leadership potential. Announcements and nomination forms available from: Dean Elmer R. Kiehl, 2-69 Agriculture, University of Missouri, Columbia, Missouri 65201.

July 11-14: NATIONAL ASSOCIATION OF FEDERAL VETERINARIANS. Atlanta, Georgia. Contact: Dr. C. H. Pals, Ste. 828, 1522 K Street, N.W., Washington, D.C. 20005.

July 11-14: AMERICAN VETERINARY MEDICAL ASSOCIATION. R. G. Rongren, 930 N. Meacham Road, Schaumburg, Illinois 60172.

(Continued page 11, col. 2)

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